

# APPLICATION OF ADVANCED METHODS IN LIFE SCIENCES

November 14<sup>th</sup> 2018

Biomolecular Interactions and Crystallization facility in collaboration with VBCF ProTech facility would like to invite you to series of lectures focusing on application of the advanced methods in life sciences – from **CRISPR/Cas9** through the differences among various **Tag types** to possible methods for **function assignment to unknown proteins**. There will be presented methods in **structural virology** as well as challenges in studying **membrane interacting peptides**.

## CONFIRMED SPEAKERS:

**Peggy Stolt-Bergner** (VBCF, Vienna)

**Jan Komárek** (CEITEC MU, Brno)

**Robert Vácha** (CEITEC MU, Brno)

**Krzysztof Chylinski** (VBCF, Vienna)

**Tibor Füzik** (CEITEC MU, Brno)

VENUE: **Hotel Continental**

Kounicova 680/6,  
602 00 Brno-střed

Registration form [HERE](#). The deadline for registration is **October 31<sup>st</sup>**.

For more information contact us at [bic@ceitec.cz](mailto:bic@ceitec.cz).



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## PROGRAM:

- 9:00 – 9:40** **Krzysztof Chylinski** (VBCF, Vienna)  
*Cas9 ribonucleoprotein complexes for efficient genome editing*
- 9:40 – 10:10** **Peggy Stolt-Bergner** (VBCF, Vienna)  
*An overview of state-of-the-art methods for recombinant protein production*
- 10:10 – 10:40** COFFEE BREAK
- 10:40 – 11:10** **Jan Komárek** (CEITEC MU, Brno)  
*AB21, a protein of unknown function from *Agaricus bisporus**
- 11:10 – 11:40** **Robert Vácha** (CEITEC MU, Brno)  
*Interaction of proteins and protein aggregates with phospholipid membranes*
- 11:40 – 12:10** **Tibor Füzik** (CEITEC MU, Brno)  
*Application of cryo-electron microscopy in virus structure determination*

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